

This document provides additional assistance with wiring your Extron IP Link enabled product to your device. Different components may require a different wiring scheme than those listed below.

For complete operating instructions, refer to the user's manual for the specific Extron IP Link enabled product or the controlled device manufacturer supplied documentation.

Device Specifications:

Device Type: Camera
Manufacturer: Sony
Firmware Version: N/A
Model(s): EVI-D100, EVI-D100P, EVI-D70, EVI-D70P

Version History:

Driver Version	Date	IP Link Firmware	GC Version	Notes
7	9/2/10	1.15	3.0.3	Added Shutter Priority, Iris Priority, Bright, Auto Exposure, Backlight and Shutter.
6	7/20/10	1.15	3.0.3	Added broadcast to Unit ID and modified the Up/Down states in Pan/Tilt.
5	3/2/10	1.15	3.0.3	Added selectable address ID.
4	2/23/10	1.15	3.0.2	Driver updated to current standards. Changed preset numbering. Added numerous controls.
3	10/5/05	1.08	2.0	Extron Certified Version. Added D70 models. Added instructions for using RS-422 mode
2	8/26/2005	1.08	2.0	Corrected port-type issue in XML and updated to current standards.
1	7/7/2004	1.04	N/A	Initial Version

Driver Notes:

To use Presets – To Save: Click on Preset Button and then on the number of the preset to save.

To Recall: Click on the number of the preset to recall.

Driver is designed for RS-232. To use in RS-422 follow instructions in Device Notes below.

Default value for Pan-Tilt speed is 10.

Default value for Zoom and Focus speed is 4.

The default ID for this driver is 1. Please choose an ID that'll match the camera ID.

MLC62 Supported Commands will only work with camera with device ID 1. Please consult with the manufacturer for instruction on changing the ID.

IP Link® Device Interface Communication Sheet

Control Commands & States:

Auto Exposure	Manual Iris	Full Auto Bright	Shutter
Auto Focus	On Execute	Off	Toggle
Backlight	On	Off	
Brightness**	0 to 31 in steps of 1		
Camera Preset Recall	0-5		
Camera Preset Save	0-5		
Device ID	1 to 7	Broadcast	
Display	On	Off	
Exposure Compensation	On Down	Off Reset	Up
Focus	Near	Far	Stop
Focus Speed	1-8		
Freeze	On	Off	
Gain*	Up	Down	Reset
IR Remote	On	Off	
Iris*	Close	Open	Reset
Iris Priority	0 to 17 in steps of 1		
Mute	On	Off	
Pan/Tilt	Left Down	Right Stop	Up
Pan Speed	1 to 18		
Power	On	Off	
Shutter Priority	0 to 21 in steps of 1		
Tilt Speed	1 to 17		
Zoom¹	Tele	Wide	Stop
Zoom Speed	1-8		

* Iris and Gain do not function on D70 models.

**This parameter requires Auto Exposure to be set to Full Auto, Shutter, or Bright.

Status Available:

Auto Exposure	Manual Iris	Full Auto Bright	Shutter
Auto Focus	On	Off	
Backlight	On	Off	
Brightness	0 to 31 in steps of 1		
Connection Status	Connected	Disconnected	
Display	On	Off	
Freeze	On	Off	
IR Remote	On	Off	
Iris Priority	0 to 17 in steps of 1		
Mute	On	Off	
Power	On	Off	
Shutter Priority	0 to 21 in steps of 1		

MLC62 Supported Commands:

Auto Focus	On Execute	Off	Toggle
Backlight	On	Off	
Display	On	Off	
Exposure Compensation	On Down	Off Reset	Up
Focus¹	Near	Far	Stop
Freeze	On	Off	
Gain²	Up	Down	Reset
IR Remote	On	Off	
Iris²	Close	Open	Reset
Camera Preset Recall	0-5		
Camera Preset Recall	0-5		
Mute	On	Off	
Pan-Tilt*	Left Down	Right Stop	Up
Power	On	Off	
Zoom*	Tele	Wide	Stop

1. Press/Release commands are supported with the default value.
2. Do not function on D70 model

Cable and Adapter Requirements:

Consult dealer for Sony VISCA cable to connect between IP Link Box and Camera.
Follow wire diagram below for cable construction.

Notes for the Device:

Preset values and pan-tilt speeds can not be monitored, status values are for internal use only.
Driver defaults to RS 232 operation. To use in RS-422 operation follow steps below:

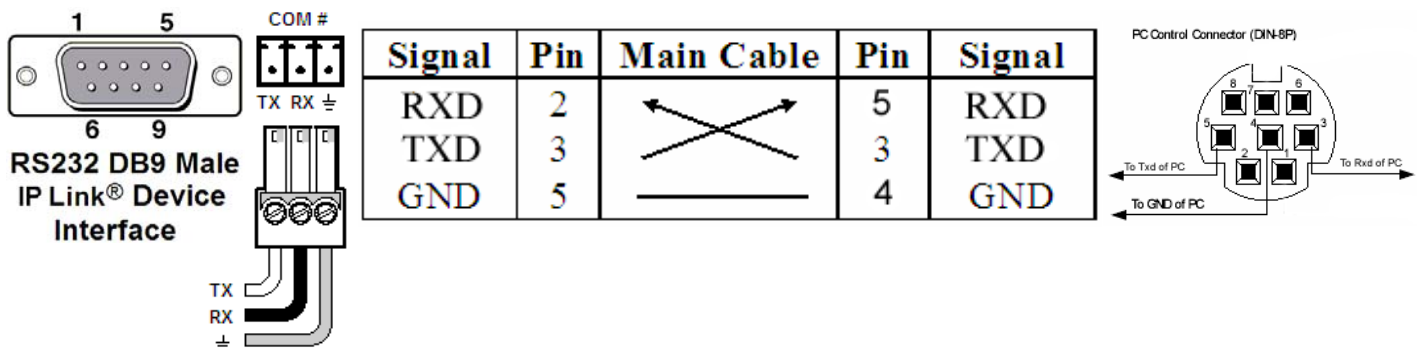
RS 422 Operation:

1. Set Dip switch on bottom of camera to RS-422 position (See diagram on camera bottom)
 2. Wire cable as shown in diagram below (One with 9 pin captive screw connector) and connect.
 3. Load driver into Extron IP Link device.
 4. Using Extron device default pages, set the serial port for RS 422 operation. (Consult Extron IPL manual)
 5. Do not connect both RS 232 and RS 422 at the same time.
- NOTE: Not all Extron Electronics IPL devices support RS-422 operation. Consult Extron IPL device manual.

Serial communication:

Port Type: RS232
Baud Rate: 9600
Data Bits: 8

Parity: None
Stop Bits: 1
Flow Control: None

Pin Assignments Diagram:

Note: Captive screw connector may also be used as a serial connection.

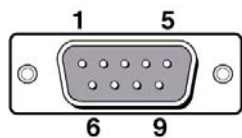
IP Link[®] Device Interface Communication Sheet

Serial communication:

Port Type: RS422*
Baud Rate: 9600
Data Bits: 8

Parity: None
Stop Bits: 1
Flow Control: None

* Not all Extron Electronics IPL devices are RS 422 compatible. Check with product manual for compatibility.



**RS232 DB9 Male
IP Link[®] Device
Interface**

Signal	Pin	Main Cable	Pin	Signal
RxD-	2		1	TxD-
TxD-	3		3	RxD-
GND	5		5	GND
TxD+	7		4	RxD+
RxD+	8		2	TxD+



**Sony Camera
RS 422 Connector**

General Notes:

None